

MULTIPLE PORTS ETHERNET SWITCH CHIP AND DAISY CHAIN TEST FOR MULTIPLE PORTS ETHERNET SWITCH CHIP

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ABSTRACT OF THE DISCLOSURE

10 A single chip Ethernet switch integrated with physical
layer entity is switched between a normal mode and a daisy chain
test mode by a mode select signal. Under the daisy chain test
mode, each port of the switch is connected to a passive loop-back
device, other than a start transmission port and a stop receiving
port. A test packet is supplied to the start transmission port and
15 transmitted eventually from the start transmission port to the stop
receiving port through each port of the switch with initialization of
an address table and a packet source address learning process.